

REMARKS/ARGUMENTS

Claims 1 through 10 are pending in this application. The Abstract has been replaced and a clean copy is attached herewith.

The Office Action rejects to the drawings contending that they fail to show the following features: “means for applying” in claim 5; “an integrated circuit device” in claim 6; “a receiver” in claim 7; “a spread spectrum communication apparatus” in claim 8; “a receiver comprising an integrated circuit device” in claim 9 and “a spread-spectrum communication apparatus comprising an integrated circuit” in claim 10. The Drawings have been corrected to show these features in FIG. 6. Support for the corrected drawing is found at least in claims 5 through 10, as well as paragraphs 11 through 14 which state:

[0011] In another embodiment of the invention a module for the acquisition of burst synchronisation signals comprises means for applying a method as described here.

[0012] Preferably such a module is comprised in an integrated circuit device.

[0013] Alternatively a receiver comprises such a module or an integrated circuit device as mentioned before.

[0014] In yet another embodiment a spread-spectrum communication apparatus comprises such a module or integrated circuit device.

The Office Action objects to claim 6 for failing to further limit the subject matter of the previous claim. Claim 6 has been amended, which applicant respectfully contends obviates this objection, as well as the objection as to the informality of the claim.

The Office Action rejects claims 1 through 10 under 35 U.S.C. §112, first paragraph, contending that the claims fail to comply with the enablement requirement as to how the dwelling procedure is performed in the chosen hypothesis. Applicant respectfully disagrees and asserts that the subject matter of claims 1 through 10 has been described in such a way as to enable one skilled in the art of cellular mobile communication systems to use the methods of

claims 1 through 10.

Independent claims 1 and 3 have the features of a dwelling procedure that comprises the steps of calculating a matched filter output, summing the outputs over one slot time, calculating the energy in the sum, searching the maximum energy value and passing it to a Random Access Memory.

The specification uses full, clear, concise, and exact terms to describe the subject matter of claims 1 through 10 including the dwelling procedure. The dwelling procedure includes “the steps of calculating a matched filter output, summing said outputs over one slot time, calculating the energy in said sum, searching the maximum energy value and passing it to a Random Access Memory.” (Specification, par. 7). At paragraph 22, the specification further describes that the dwelling procedure is slot time based, with the matched filter length equaling the size of the PN code used in the synchronisation signal. This same paragraph also states that the received signal is applied to the matched filter and the absolute values of the matched filter outputs are coherently summed in a RAM over one slot time and then the energy contained in the sum is calculated. The specification further clarifies in this same paragraph that this is repeated several times for different slots before searching the maximum energy value so that it is possible to sum the correlation peaks that are present in different slots and to average the noise. Paragraph 4 describes that to use the dwelling procedure, it is necessary to store in a RAM the matched filter output for the complete frame duration and then to look for the two maximum values and according to paragraph 24 the maximum energy value is looked for after dwelling over three slots (corresponding to one hypothesis) and sent to the Layer 1 (L1) software.

Applicant respectfully submits that the specification contains a written description of the invention, and of the manner and process of making and using it, in full, clear, concise, and exact terms which would enable any person skilled in the art cellular mobile communication systems to use the dwelling procedure of claims 1 through 10, as well as the methods described in claims 1 through 10.

The Office Action rejects claims 1, 3, 5 and 6 under 35 U.S.C. §112, second paragraph,

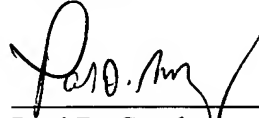
contending that these claims fail to particularly point out and distinctly claim the subject matter based upon the claim term "chosen hypothesis." Claims 1, 3, 5 and 6 have been amended to clarify the applicant's invention. Applicant submits that claims 1, 3, 5 and 6 particularly point out and distinctly claim the subject matter of the invention and that this rejection should be withdrawn.

In view of the above, applicant respectfully urges that the objection be reconsidered and withdrawn, and that this application be passed to allowance.

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Date

Sincerely,



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